

# Product Datasheet

## LOXL1 Antibody - Azide and BSA Free H00004016-D01P

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00004016-D01P**

LOXL1 Antibody - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein A purified
Buffer	PBS (pH 7.4)

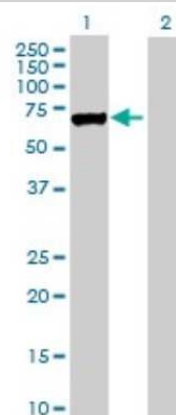
Product Description	
Description	Quality control test: Antibody reactive against mammalian transfected lysate.
Host	Rabbit
Gene ID	4016
Gene Symbol	LOXL1
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scitific publication PMID: 32424143
Specificity/Sensitivity	LOXL1 - lysyl oxidase-like 1,
Immunogen	LOXL1 (NP_005567.2, 1 a.a. - 574 a.a.) full-length human protein. MALARGSRQLGALVWGACLCVLVHGQQAQPGQGSDPARWRQLIQWENNGQ VYLLNSGSEYVPAGPQRSESSSRVLLAGAPQAQQRSHGSPRRRQAPSLPL PGRVGS DTVRGQARHPFGFGQVPDNWREVAVG DSTGMARARTSVSQQRHG GSASSVSASAFASYRQQPSYPQQFPYPQAPFVSQYENYDPASRTYDQGFVY YRPAGGGV GAGAAVASAGVIYPYQPRARYEEYGGGEELPEYPPQGFYPAPE RPYVPPPPPPDGLDRRYSHSLYSEGTPGFEQAYDPGP EAAQAHGGDPRLG WYPPYANPPPEAYGPPRALEPPYLPVRSSDTPPP GGERNGAQQGRLSVGSV YRPNQNGRGLPDLVPDPNYVQASTYVQRAHLYSLRCAAEEKCLASTAYAPEA TDYDVRVLLRFPQRVK NQGTADFLPNRPRHTWEWHSCHQH YHSMDEF SHYD LLDAATGKKVAEGHKASF CLEDSTCDFGNL KRYACTSHTQGLSPGCYDTYNAD IDCQWIDITDVQPGNYILKVHV NPKYIVLESDF TNNVRCNIHYTG RYVSATNCKI VQS
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500, Simple Western, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control. Use in IHC reported in scitific publication PMID: 32424143. LOXL1 Antibody validated for Simple Western from a verified customer review.

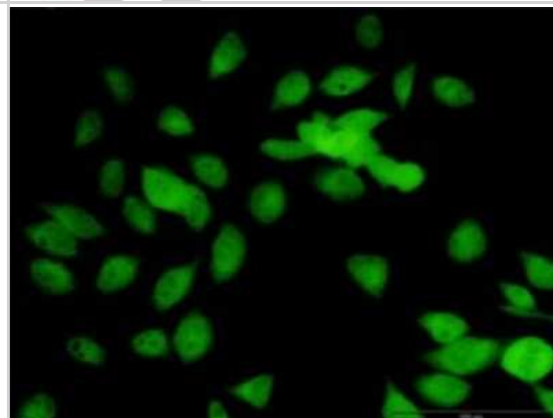


## Images

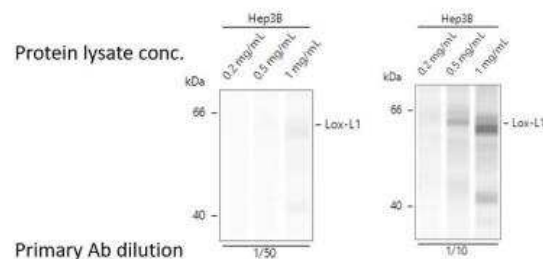
Western Blot: LOXL1 Antibody [H00004016-D01P] - Analysis of LOXL1 expression in transfected 293T cell line by LOXL1 polyclonal antibody. Lane 1: LOXL1 transfected lysate(63.10 KDa). Lane 2: Non-transfected lysate.



Immunocytochemistry/Immunofluorescence: LOXL1 Antibody [H00004016-D01P] - Analysis of antibody to LOXL1 on HeLa cell. Antibody concentration 10 ug/ml.



Simple Western: LOXL1 Antibody [H00004016-D01P] - Simple Western lane views show lysates of human Hep3B cell line. Specific bands were detected for LOXL1 using LOXL1 antibody at 1:50 and 1:10 dilutions. This experiment was conducted using the 12-230 kDa separation system. Image from verified customer review.



## Publications

De Maria A, Zientek KD, David LL et al. Compositional Analysis of Extracellular Aggregates in the Eyes of Patients With Exfoliation Syndrome and Exfoliation Glaucoma Investigative Ophthalmology & Visual Science 2021-12-29 [PMID: 34964803] (Immunocytochemistry/ Immunofluorescence)

Jiang C, Wang M, Yao W et al. Comprehensive Analysis on Prognosis and Immune Infiltration of Lysyl Oxidase Family Members in Pancreatic Adenocarcinoma With Experimental Verification Frontiers in Molecular Biosciences 2022-04-01 [PMID: 35433829] (Immunohistochemistry)

Qingjiang H, Takaaki M, Shotaro K et al. Potential association of LOXL1 with peritoneal dissemination in gastric cancer possibly via promotion of EMT. PLoS One. 2020-10-23 [PMID: 33095806]

Yu H, Ding J, Zhu H et al. LOXL1 confers antiapoptosis and promotes gliomagenesis through stabilizing BAG2 Cell Death Differ. 2020-05-18 [PMID: 32424143] (IF/IHC, WB, Human, Mouse)

Sethi A, Mao W, Wordinger RJ, Clark AF. Transforming Growth Factor Beta Induces Extracellular Matrix Protein Crosslinking Lysyl Oxidase (LOX) Genes in Human Trabecular Meshwork Cells. Invest Ophthalmol Vis Sci. 2011-05-05 [PMID: 21546528]

Sethi A, Wordinger RJ, Clark AF. Gremlin utilizes canonical and non-canonical TGFbeta signaling to induce lysyl oxidase (LOX) genes in human trabecular meshwork cells. Exp Eye Res. 2013-08-01 [PMID: 23748100] (WB, Human)





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### **Products Related to H00004016-D01P**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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